

WHAT IS CLAIMED IS:

Substantive

Cost

1. An output control method for controlling output of image data imaged by image pick up means, comprising:
 - 5 a display control step of displaying said image data on display means,
wherein the display control step compares aspect ratios of a thumbnail image and a main image in said image data, and performs control so that said thumbnail
10 image is used as display data to be displayed on said display means when the aspect ratios are the same, and that said main image is used as said display data when the aspect ratios are different.
 - 15 2. The output control method according to claim 1, wherein said image pick up means is a digital camera.
 - 20 3. The output control method according to claim 1, wherein said display means is a Cathode Ray Tube display.
 - 25 4. The output control method according to claim 1, wherein said display means is a Liquid Crystal Display.
 5. The output control method according to claim

1, wherein said display means is a television receiver.

6. An output control apparatus for controlling
output of image data imaged by image pick up means,
comprising:

display control means for displaying said image
data on display means,

wherein the display control means compares aspect
ratios of a thumbnail image and a main image in said
image data, and performs control so that said thumbnail
image is used as display data to be displayed on said
display means when the aspect ratios are the same, and
that said main image is used as said display data when
the aspect ratios are different.

7. The output control apparatus according to
claim 6, wherein said image pick up means is a digital
camera.

8. The output control apparatus according to
claim 6, wherein said display means is a Cathode Ray
Tube display.

9. The output control apparatus according to
claim 6, wherein said display means is a Liquid Crystal
Display.

10. The output control apparatus according to claim 6, wherein said display means is a television receiver.

A7
*Cont*⁵
11. An output control method for controlling output of image data imaged by image pick up means, comprising:

a display control step of displaying said image data on display means,

10 wherein the display control step compares aspect ratios of a thumbnail image and a main image in said image data, and performs control so that said thumbnail image is used as display data to be displayed on said display means when the aspect ratios are the same, and
15 that said thumbnail image is cut off to have the aspect ratio of said main image and used as said display data when the aspect ratios are different.

12. The output control method according to claim
20 11, wherein centers of said thumbnail image and said main image are matched when said thumbnail image is cut off to have the aspect ratio of said main image.

13. The output control method according to claim
25 11, wherein said display control step obtains information on types of said image pick up means and determines a position where said thumbnail image is cut

off when said thumbnail image is cut off to have the aspect ratio of said main image.

14. The output control method according to claim 11, wherein said image pick up means is a digital camera.

15. The output control method according to claim 11, wherein said display means is a Cathode Ray Tube display.

16. The output control method according to claim 11, wherein said display means is a Liquid Crystal Display.

17. The output control method according to claim 11, wherein said display means is a television receiver.

18. An output control apparatus for controlling output of image data imaged by image pick up means, comprising:

display control means for displaying said image data on display means,

wherein the display control means compares aspect ratios of a thumbnail image and a main image in said image data, and performs control so that said thumbnail

*AP
Cont*

image is used as display data to be displayed on said display means when the aspect ratios are the same, and that said thumbnail image is cut off to have the aspect ratio of said main image and used as said display data when the aspect ratios are different.

5

A7
Cont

19. The output control apparatus according to claim 18, wherein centers of said thumbnail image and said main image are matched when said thumbnail image is cut off to have the aspect ratio of said main image.

10

20. The output control apparatus according to claim 18, wherein said display control means obtains information on types of said image pick up means and determines a position where said thumbnail image is cut off when said thumbnail image is cut off to have the aspect ratio of said main image.

15

21. The output control apparatus according to claim 18, wherein said image pick up means is a digital camera.

20

22. The output control apparatus according to claim 18, wherein said display means is a Cathode Ray Tube display.

25

23. The output control apparatus according to

claim 18, wherein said display means is a Liquid Crystal Display.

24. The output control apparatus according to claim 18, wherein said display means is a television receiver.

25. An output control method for controlling output of image data imaged by image pick up means, comprising:

image data reading step of reading in said image data;

a display control step of displaying said image data read in said image data reading step on display means;

display data forming step of forming display data to be displayed on said display means according to an instruction of said display control step; and

display data outputting step of outputting display data formed in said display data forming step on said display means,

wherein the display control step compares aspect ratios of a thumbnail image and a main image in image data read in said image data reading step, and performs control so that said thumbnail image is used as display data to be displayed on said display means when the aspect ratios are the same, and that said main image is

used as said display data when the aspect ratios are different.

26. The output control method according to claim
5 25, wherein said image pick up means is a digital camera.

a7
cont
27. The output control method according to claim
10 25, wherein said display means is a Cathode Ray Tube display.

28. The output control method according to claim
15 25, wherein said display means is a Liquid Crystal Display.

29. The output control method according to claim
25 25, wherein said display means is a television receiver.

30. An output control apparatus for controlling
20 output of image data imaged by image pick up means, comprising:

image data reading means for reading in said image data;

25 display control means for displaying said image data read in by said image data reading means on display means;

display data forming means for forming display data to be displayed on said display means according to an instruction of said display control means; and

display data outputting means for outputting display data formed by said display data forming means on said display means,

wherein the display control means compares aspect ratios of a thumbnail image and a main image in said image data read in by said image data reading means, and performs control so that said thumbnail image is used as display data to be displayed on said display means when the aspect ratios are the same, and that said thumbnail image is cut off to have the aspect ratio of said main image and used as said display data when the aspect ratios are different.

31. The output control apparatus according to claim 30, wherein centers of said thumbnail image and said main image are matched when said thumbnail image is cut off to have the aspect ratio of said main image.

32. The output control apparatus according to claim 30, wherein said display control means obtains information on types of said image pick up means and determines a position where said thumbnail image is cut off when said thumbnail image is cut off to have the aspect ratio of said main image.

33. The output control apparatus according to claim 30, wherein said image pick up means is a digital camera.

5 34. The output control apparatus according to claim 30, wherein said display means is a Cathode Ray Tube display.

10 35. The output control apparatus according to claim 30, wherein said display means is a Liquid Crystal Display.

15 36. The output control apparatus according to claim 30, wherein said display means is a television receiver.

20 37. A storage medium for storing a control program for controlling an output control apparatus that controls output of image data imaged by image pick up means, which can be read by reading means,

wherein the control program comprises a display control module for displaying said image data on display means, and said display control module compares aspect ratios of a thumbnail image and a main image in
25 said image data, and performs control so that said thumbnail image is used as display data to be displayed on said display means when the aspect ratios are the

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

A7
Cont

same, and that said main image is used as said display data when the aspect ratios are different.

38. A storage medium for storing a control
5 program for controlling an output control apparatus
that controls output of image data imaged by image pick
up means, which can be read by reading means,

*A 7
Cont*
wherein the control program comprises display
control means for displaying said image data on display
10 means, and said display control means compares aspect
ratios of a thumbnail image and a main image in said
image data, and performs control so that said thumbnail
image is used as display data to be displayed on said
display means when the aspect ratios are the same, and
15 that said thumbnail image is cut off to have the aspect
ratio of said main image and used as said display data
when the aspect ratios are different.

39. A storage medium for storing a control
20 program for controlling an output control apparatus
that controls output of image data imaged by image pick
up means, wherein the control program comprises:

image data reading module for reading in said
image data;

25 a display control module for displaying said image
data read in by said image data reading module on
display means;

display data forming module for forming display data to be displayed on said display means according to an instruction of said display control module; and

display data outputting module for outputting display data formed by said display data forming module on said display means,

wherein the display control module compares aspect ratios of a thumbnail image and a main image in image data read in by said image data reading module, and performs control so that said thumbnail image is used as display data to be displayed on said display means when the aspect ratios are the same, and that said main image is used as said display data when the aspect ratios are different.

40. A storage medium for storing a control program for controlling an output control apparatus that controls output of image data imaged by image pick up means, wherein the control program comprises:

image data reading module for reading in said image data;

a display control module for displaying said image data read in by said image data reading module on display means;

display data forming module for forming display data to be displayed on said display means according to an instruction of said display control module; and

A7
Cont

2025 RELEASE UNDER E.O. 14176

a7⁵
cond

wherein the display control module compares aspect ratios of a thumbnail image and a main image in said image data read in by said image data reading module, and performs control so that said thumbnail image is used as display data to be displayed on said display means when the aspect ratios are the same, and that said thumbnail image is cut off to have the aspect ratio of said main image and used as said display data when the aspect ratios are different.